

Docket No. 246408US2/phh

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Eiju KOMURO, et al.

SERIAL NO: 10/731,157

GAU: 2817

FILED: December 10, 2003

EXAMINER:

FOR: PIEZOELECTRIC RESONANT FILTER AND DUPLEXER



**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references cited in the attached European Search Report listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.

- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.

- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

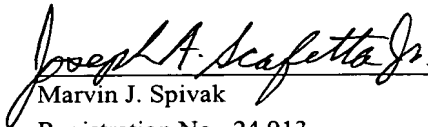
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
246408US2SERIAL NO.  
10/731,157

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Eiju KOMURO, et al.FILING DATE  
December 10, 2003GROUP  
2817

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	1 058 383	12/06/2000	EUROPE		
	AP	1 100 196	05/16/2001	EUROPE		
	AQ	1 024 547	08/02/2000	EUROPE		
	AR	0 818 883	01/14/1998	EUROPE		
	AS					
	AT					
	AU					
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	K. M. LAKIN, TFR Technologies, Technical Report, XP-002276553, pages 1-18, "THIN FILM RESONATORS AND HIGH FREQUENCY FILTERS", June 1, 2001
	AX	K. M. LAKIN, IEEE Ultrasonics Symposium, vol. 1, XP-002276554, pages 855-858, "TEMPERATURE COMPENSATED BULK ACOUSTIC THIN FILM RESONATORS", October 22-25, 2000
	AY	N. SHIBAGAKI, et al., IEEE Ultrasonics Symposium, XP-010139551, pages 129-134, "NEW DESIGN PROCEDURES AND EXPERIMENTAL RESULTS OF SAW FILTERS FOR DUPLEXERS CONSIDERING WIDE TEMPERATURE RANGE", November 1-4, 1994
	AZ	
		<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.